

# Clemson University Regulatory Services



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# Clemson University

## Department of Plant Industry

“Regulation through Education”



# History of Regulatory at Clemson

- 1890 - Department of Agriculture transferred to Clemson
- 1912 - SC Plant Quarantine Act creates the SC Crop Pest Commission
- 1970 - Division of Regulatory and Public Service Programs created and eventually (1994) reorganized into:
  - Department of Pesticide Regulation
  - Department of Fertilizer and Seed Certification Services
  - Department of Plant Industry

# Who We Are

- Interim Department Head
- Assistant Department Head/State Plant Regulatory Official
- 8 Nursery Inspectors
- Fire Ant/Invasive Species Coordinator
- CAPS Survey Coordinator
- Plant Problem Clinic/PCR Lab staff
- Administrative Assistants

# Legal Authority

## **S.C. Code of Laws Title 46- Agriculture**

Chapter 9- State Crop Pest Act

Chapter 10- Boll Weevil Eradication Act

Chapter 33 – Shipment and Sale of Trees, Plants and  
Shrubs Act

Chapter 35 – Neglected and Abandoned Orchards Act

# Legal Authority

## **S.C. Code of Regulations**

### **Chapter 27- Clemson University**

- Bee Regulations
- Witchweed Quarantine
- Tropical Soda Apple Quarantine
- Sweet Potato Weevil Quarantine
- Plum Pox Virus Quarantine
- Phony Peach Quarantine
- Japanese Beetle Quarantine

# Legal Authority

## S.C. Code of Regulations

### Chapter 27- Clemson University

- Imported Fire Ant Quarantine
- Boll Weevil Quarantine
- Phytophagous Snails Quarantine
- *Phytophthora ramorum* Quarantine
- Light Brown Apple Moth Quarantine
- Asian Citrus Psyllid Quarantine
- Citrus Greening Quarantine

# Primary Responsibilities

- To prevent the introduction of new plant pests into South Carolina. Preventing the spread of existing plant pests to non-infested locations through inspections, plant pest surveys, quarantines, and control and eradication programs.
- Regulate the nursery industry. Under South Carolina law, any person engaged in the production or collection of nursery stock for sale or distribution must be a licensed nurseryman.



# Most Important Activities

- Nursery inspection and certification
- Cooperative Agriculture Pest Survey Program
- Phytosanitary certification
- Noxious weed survey, control and eradication
- Plant Problem Clinic- weed, insect, disease diagnosis
- Support and Protect SC Agriculture
- Public outreach and education

# Our Partners

South Carolina Department of Natural Resources

South Carolina Forestry Commission

South Carolina Department of Agriculture

Clemson University Extension

USDA-APHIS-PPQ

US Forest Service

USDA-ARS

CSREES/National Institute of Food and Agriculture

Industry and Industry Groups

Non-profit organizations

# DPI

## Pest Response Programs

- Survey and outreach (prior to detection)
- Delimit upon detection
- Traceback/Traceforward
- Regulation to prevent spread
  - Prohibits movement of materials with quarantines
  - Restricts movement of materials through permits
- Compliance Agreements
- Monitoring and Mitigation
- Control or eradication

# DPI Surveys for 2009

Citrus Greening/Asian Citrus Psyllid survey

Cogongrass survey and eradication

TSA survey

Nursery survey- insects, weeds, diseases

*Phytophthora ramorum* survey

Emerald Ash Borer trapping

Light Brown Apple Moth trapping



***Phytophthora ramorum* Survey  
2009**



## **Mexico Peach Export Survey 2009**





**Cogongrass Survey 2009**



# **Emerald Ash Borer Survey 2009**



# Limitations

- THE LAW- As a regulatory agency, we are bound by the law as it is written.
- RESOURCES- As a state agency, we are constrained by the state and university budgets that are allocated.
- POPULARITY- As a state regulatory agency, we can enforce the law but can't force the general population, industry or private organizations to agree with our mission.

